IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method of embedding a watermark in an information signal, comprising the steps:

analyzing a given property of the information signal and determining an actual value of said property;

associating different sets of basic watermark patterns in a plurality of sets of basic watermark patterns with distinct values of said property, each set of basic watermark patterns being a combination of two or more basic watermark patterns; and

selecting the set of basic watermark patterns from said plurality of sets of basic watermark patterns associated with said actual value for embedding in the information signal.

2. (Previously Presented) The method as claimed in claim 1, in which the information signal is a sequence of video images, and said analyzing step comprises:

analyzing a spatial or temporal distribution of luminance values, each distinct distribution of luminance values constituting a value of said property of the information signal.

3. (Previously Presented) The method as claimed in claim 1, in which the information signal is a sequence of audio signal segments, and said analyzing step comprises:

analyzing a shape of the frequency spectrum of said audio segments, each distinct shape of the frequency spectrum constituting a value of said property of the information signal.

4. (Cancelled).

5. (Currently Amended) A method of detecting a watermark in an information signal, comprising the steps:

analyzing a given property of the information signal and determining an actual value of said property;

associating different sets of basic watermark patterns in a plurality of sets of basic watermark patterns with distinct values of said property, each set of basic watermark patterns being a combination of two or more basic watermark patterns; and

selecting and detecting the set of basic watermark patterns from said plurality of sets of basic watermark patterns associated with said actual value.

6. (Previously Presented) The method as claimed in claim 5, in which the information signal is a sequence of video images, and said analyzing step comprises:

analyzing a spatial or temporal distribution of luminance values, each distinct distribution of luminance values constituting a value of said property of the information signal.

7. (Previously Presented) The method as claimed in claim 5, in which the information signal is a sequence of audio signal segments, and the method further comprises the step:

calculating the frequency spectrum for each segment, each distinct shape of said frequency spectrum constituting a value of said property of the information signal.

8. (Cancelled).

9. (Currently Amended) A watermark embedder for embedding a watermark in an information signal, comprising:

means for analyzing a given property of the information signal and determining an actual value of said property;

means for associating different sets of basic watermark patterns in a plurality of sets of basic watermark patterns with distinct values of said property, each set of basic watermark patterns being a combination of two or more basic watermark patterns; and

means for selecting the set of basic watermark patterns from said plurality of sets of basic watermark patterns associated with said actual value for embedding in the information signal.

10. (Currently Amended) A watermark detector for detecting a watermark in an information signal, comprising:

means for analyzing a given property of the information signal and determining an actual value of said property;

means for associating different sets of basic watermark patterns in a plurality of sets of basic watermark patterns with distinct values of said property, each set of basic watermark patterns being a combination of two or more basic watermark patterns; and

means for selecting and detecting the set of basic watermark patterns from said plurality of sets of basic watermark patterns associated with said actual value.

11. (Cancelled).